

City of Mesa Transportation: ITS CCTV Component List:

Device	MFG.	Part Number	Quan.	Comments
Dome	Pelco	LD53PR-1 BB4-PR-E	1	Pressurized dome. Clear finish. After installation the dome is to be pressurized with nitrogen to Pelco specifications.
Camera	Pelco	DD4CBW23	1	Dome drive, low light, color camera with 23x optical zoom lens. NTSC
Mounting Arm / Power Supply	Pelco	IWM24-GY	1	Arm has built-in 24V power supply (fed by 120VAC run up pole in composite cable).
Pole Adapter	Pelco	PA-402	2	One adapter is for the mounting arm, the other is for the remote data port.
Remote Data Port	Pelco	IPS-RDPE-2	1	Interface box is mounted to pole near the camera. This provides a place to access the serial and video interfaces to the camera without opening up the pressurized dome.
Cable	Utah Controls	A42	Varies	Cable is Utah Department of Transportation Specification "A42" which consists of (1) # 12 AWG 3-conductor stranded (1-White, 1-Black, 1-Green), (2) # 18 AWG 2-conductor (Black/Red) (White/ Green) stranded shielded, (1) RG59 coaxial cable w/95% copper shield. All of these cables are combined in a Gray overall PVC Jacket with ascending and descending footage markers. Also see: http://www.mesaaz.gov/transportation/Traffic_Signals_Specifications.aspx
Video/Data Protection	Ditek	DTK-DP4P DTK-DRK	1 device 1 mount	The protection device is installed in the traffic cabinet on a piece of DIN rail. The protection device is a Ditek DTK-DP4P which protects the serial interface and video interface. The Ditek DTK-DRK is the din-rail mounting kit for the device.
Power Termination	Various	Various	1	AC power is terminated using 3 DIN-rail mounted terminals (sandwiched between retaining clips).
Video Encoder	AXIS	243SA (#0256-004)	1	1 @ RJ45 10/100Base-T Ethernet port. MPEG-4/Motion JPEG encoder. RS232 port (DB9). RS422 port (screw terminal connector). 1 @ BNC input and 1 @ BNC pass-through video connector. External power supply shall be Carlo Gavazzi model SPD1260

Revised
10/22/09

For installation detail see:

[City of Mesa 2009 Standard Detail M-96.5](#)